

# OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

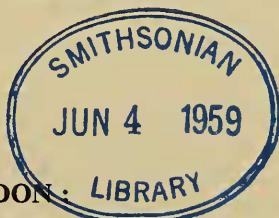
*Edited by*

**FRANCIS HEMMING, C.M.G., C.B.E.**

VOLUME 20. Part 28. Pp. 303—310

## OPINION 561

Protection under the Plenary Powers of the generic name *Anodonta* Lamarck, 1799 (Class Pelecypoda), a name placed on the *Official List of Generic Names in Zoology* in 1926 by the Ruling given in *Opinion 94*



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1959

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# INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

## COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 561

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*Vice-President* : Senhor Dr. Afranio do AMARAL (*Sao Paulo, Brazil*) (12th August 1953)

*Secretary* : Mr. Francis HEMMING (*London, England*) (27th July 1948)

### B. The Members of the Commission

(Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

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Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950)

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Dr. K. H. L. KEY (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. MILLER (*Museum of Vertebrate Zoology, University of California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand PRANTL (*Národní Museum V Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm KÜHNELT (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. BODENHEIMER (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst MAYR (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico TORTONESE (*Museo di Storia Naturale "G. Doria", Genova, Italy*) (16th December 1954)

## OPINION 561

### PROTECTION UNDER THE PLENARY POWERS OF THE GENERIC NAME "ANODONTA" LAMARCK, 1799 (CLASS PELECYPODA), A NAME PLACED ON THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" IN 1926 BY THE RULING GIVEN IN "OPINION" 94

**RULING** :—(1) Under the Plenary Powers the generic name *Glochidium* Rathke, 1797 (Class Pelecypoda) is hereby suppressed for the purposes of the Law of Priority but not for those of the Law of Homonymy.

(2) It is hereby directed that, notwithstanding the action prescribed in (1) above, the word "Glochidium" is to continue to be available for use as a technical designation to denote the parasitic larval stage of species of the genus *Anodonta* Lamarck, 1799.

(3) The entry of the name *Anodonta* Lamarck, 1799, made on the *Official List of Generic Names in Zoology* by the Ruling given in *Opinion* 94 is hereby confirmed.

(4) The under-mentioned generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Numbers severally specified below :—

- (a) *Glochidium* Rathke, 1797, as suppressed under the Plenary Powers in (1) above, subject to the endorsement specified in (2) above (Name No. 1266) ;
- (b) The under-mentioned names, each of which is an Invalid Emendation of *Anodonta* Lamarck, 1799 :—
  - (i) *Anodon* Oken, 1815 (a name invalid also by reason of having been published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 417) (Name No. 1267) ;
  - (ii) *Anodontes* Cuvier, 1817 (Name No. 1268) ;
  - (iii) *Anodonte* Fischer de Waldheim, 1823 (Name No. 1269).

#### I. THE STATEMENT OF THE CASE

On 10th May 1957, Dr. Fritz Haas (*Chicago Natural History Museum, Chicago, Illinois, U.S.A.*) submitted the following application in which he asked the Commission to use its Plenary Powers to protect the position of the well-known generic name *Anodonta* Lamarck, 1799, by suppressing the long-overlooked senior subjective synonym *Glochidium* Rathke, 1797 (Class Pelecypoda) :—

**Proposed use of the Plenary Powers to secure that the generic name "Anodonta" Lamarck, 1799 (Class Pelecypoda) shall be the oldest available name for the genus concerned (proposed validation of a ruling given in "Opinion" 94)**

By FRITZ HAAS

(*Curator of Lower Invertebrates, Chicago Natural History Museum, Chicago, Illinois*)

The purpose of the present application is to ask the International Commission on Zoological Nomenclature to use its Plenary Powers for the

purpose of suppressing the generic name *Glochidium* Rathke, 1797 (Class Pelecypoda), in order thereby to render the well-known generic name *Anodonta* Lamarck, 1799, the oldest available name for the genus concerned. The present problem came to my notice when preparing the chapter on the Unionacea for the *Treatise on Invertebrate Paleontology*. When I made a preliminary communication on this subject to the Office of the Commission, I was informed by Mr. Hemming that the matter was even more urgent and important than I had supposed, for the name *Anodonta* Lamarck had been placed on the *Official List of Generic Names in Zoology* as long ago as 1926 (*Smithson. misc. Coll.* 73(4) : 12-13). Mr. Hemming explained that the arrangements for the publication of the *Official List* in book form are now well advanced<sup>1</sup> and, at his request, I have included in the present application certain additional matters which it is necessary should be dealt with before the *Official List* is published in the foregoing manner. The facts of this case are set out below.

2. The well-known nominal genus *Anodonta* Lamarck, 1799, has as its type species by monotypy the nominal species *Mytilus cygneus* Linnaeus, 1758. As already explained, this generic name has been placed on the *Official List* by the Ruling given in *Opinion* 94. The gender of this generic name has been determined by the Commission as the feminine gender by the Ruling given in *Direction* 42 (1956, *Ops. Decls. int. Comm. zool. Nomencl.* 1 (D) : 153-170). The specific name *cygneus* Linnaeus, 1758, the specific name of the type species of *Anodonta* Lamarck, has been placed on the *Official List of Specific Names in Zoology* by a Ruling given in *Opinion* 336 (1955, *loc. cit.* 10 : 77-108).

3. Two years prior to the publication of the name *Anodonta* by Lamarck in 1799, Rathke published an article entitled "Om Dam-Muslingen" ("Skrivter af Naturhistorie-Selskaber", Copenhagen, 4 : 139-179, pls. 8-10). In this paper on page 166 he established a new genus and nominal species to which he gave the names *Glochidium* and *Glochidium parasiticum* respectively. At the time that he published the above paper Rathke, as is well known, considered that his *Glochidium parasiticum* was a parasite found in the outer gills of *Mytilus anatinus* Linnaeus (= *Anodonta anatina* (Linnaeus)). However, one year later in a second paper on the pond mussel (*loc. cit.* (2) : 173-185) Rathke realised that his nominal species *Glochidium parasiticum* was no parasite but was the immature stage of *Mytilus anatinus* Linnaeus. There is, therefore, no doubt whatever that the name *Glochidium parasiticum* Rathke, 1797, applies to the same species as *Mytilus anatinus*

<sup>1</sup> When in February 1958 the final arrangements were made for the publication in book-form of the First Instalment of the *Official List of Generic Names in Zoology*, it was necessary to decide what action should be taken in regard to the entry relating to the generic name *Anodonta* Lamarck, 1799, made by the Ruling given in *Opinion* 94; for, although that name was an available name and the oldest such name objectively applicable to the taxon concerned, Application Z.N.(S.) 1222 which had been submitted by Dr. Fritz Haas in May of the previous year had brought to light the existence of a name (*Glochidium* Rathke, 1797) which was currently regarded as a subjective senior synonym of *Anodonta* Lamarck. Two courses were then possible:—(a) to withdraw the name *Anodonta* Lamarck from the *Official List*, pending the taking by the Commission of a decision on Dr. Haas's application in respect of the name *Glochidium* Rathke; (b) to leave the name *Anodonta* Lamarck on the *Official List* in the Instalment then shortly to be published, having regard to the fact that the entry in regard to it possessed no objective nomenclatorial defect, all that was necessary being to afford protection to that name as against an older name synonymised with it on subjective taxonomic grounds. The second of these courses was considered the more appropriate and the name *Anodonta* Lamarck was accordingly retained on the *Official List* in its original position (1958, *Off. List gen. Names Zool.*, First Instalment : 46, No. 448).

Linnaeus, 1758, and therefore that the generic name *Anodonta* Lamarck, 1799, is a junior subjective synonym of the generic name *Glochidium* Rathke.

4. The generic name *Anodonta* Lamarck is, however, found in every local fauna and in every textbook of zoology. It has, moreover, been on the *Official List* without challenge for over 30 years. In the course of over 150 years this name has attained a vast popularity and it would be a manifest contravention of the principles of stability in nomenclature if this name were now to be rejected in favour of the name *Glochidium* Rathke which, as has been explained, has never been used as a generic name since the time of its original publication. The word "Glochidium" is, however, well known as a technical designation for the parasitic larval stage of species of this group and while it would be most confusing now to introduce this name as a generic name it is desirable that this word should be retained as a technical designation for the stage referred to above.

5. I accordingly now ask the International Commission to use its Plenary Powers for the purpose of suppressing the generic name *Glochidium* Rathke, 1797, for the purposes of the Law of Priority but not for those of the Law of Homonymy. It is desirable, however, that the Commission should give a Ruling that the foregoing action shall not affect the availability of the word "Glochidium" as a technical designation to denote the parasitic larval stage of species of the genus *Anodonta* Lamarck, 1799. A Ruling in this sense would follow the precedent set by the Commission by the Ruling given in its *Opinion* 129 when, after having suppressed the generic name *Bipinnaria* Sars, 1835, it gave a Ruling that this action left unaffected the use of the term "Bipinnaria" as a technical designation to denote developmental stages.

6. The specific name *parasiticum* Rathke, 1797, as published in the combination *Glochidium parasiticum*, is junior by many years to its subjective synonym *anatinus* Linnaeus, 1758, as published in the combination *Mytilus anatinus*. Accordingly, it is not proposed that any action should be taken in regard to this name. Under the Completeness-of-Opinion-Rule, I should, however, have asked that the specific name *anatinus* Linnaeus, 1758, as published in the above combination should be placed on the *Official List of Specific Names in Zoology* if it were not for the fact that, as I am informed by Mr. Hemming, this action has already been taken by the International Commission by the Ruling given in its *Opinion* 336.

7. In addition, there are four Invalid Emendations of the name *Anodonta* Lamarck, 1799. Of these, one *Anodontigenus* [Renier], [1804], has, I am informed, already been placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* by the Ruling given in *Opinion* 427. The others, which should now also be placed on the *Official Index*, are the following: (i) *Anodon* Oken, 1815 (*Lehrbuch Naturgesch.* 3(1) : 326) (invalid also because published in a work rejected for nomenclatorial purposes by the Ruling given in *Opinion* 417); (ii) *Anodontes* Cuvier, 1817 (*Règne Anim.* 2 : 472); (iii) *Anodonte* Fischer de Waldheim, 1823 (*Mém. Soc. imp. Nat. Moscou* 6 : 230). There are also several junior homonyms of *Anodonta* Lamarck, 1799, but no action requires to be taken in regard to these, as they have, I am informed, already been placed on the *Official Index* by the Ruling given in *Direction* 72 (now in the press).<sup>2</sup>

8. For the reasons set out in the present application the International Commission on Zoological Nomenclature is now asked:—

(1) to use its Plenary Powers to suppress the generic name *Glochidium*

<sup>2</sup> *Direction* 72 has since been published (*Ops. Decls. int. Comm. zool. Nomencl.* 1 (E) : 161-192).

Rathke, 1797, for the purposes of the Law of Priority but not for those of the Law of Homonymy ;

- (2) to give a Ruling that the action taken under (1) above shall not affect the availability of the word "Glochidium" as a technical designation to denote the parasitic larval stage of species of the genus *Anodonta* Lamarck, 1799 ;
- (3) to confirm the entry of the name *Anodonta* Lamarck, 1799, on the *Official List of Generic Names in Zoology* made by the Ruling given in *Opinion* 94 ;
- (4) to place the under-mentioned generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—
  - (a) *Glochidium* Rathke, 1797, as proposed in (1) above to be suppressed under the Plenary Powers, the entry so to be made to be endorsed as specified in (2) above ;
  - (b) the under-mentioned Invalid Emendations of *Anodonta* Lamarck, 1799 :—
    - (i) *Anodon* Oken, 1815 (a name invalid also under the Ruling given in *Opinion* 417) ;
    - (ii) *Anodontes* Cuvier, 1817 ;
    - (iii) *Anodonte* Fischer de Waldheim, 1823.

## II. THE SUBSEQUENT HISTORY OF THE CASE

**2. Registration of the present application :** Upon the receipt of Dr. Haas's application, the question of the possible use of the Plenary Power for suppressing the generic name *Glochidium* Rathke, 1797, was allotted the Registered Number Z.N.(S.) 1222.

**3. Publication of the present application :** The present application was sent to the printer on 13th May 1957 and was published on 26th August of the same year in Part 8 of Volume 13 of the *Bulletin of Zoological Nomenclature* (Haas (F.), 1957, *Bull. zool. Nomencl.* 13 : 245–247).

**4. Issue of Public Notices :** Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51–56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 26th August 1957 (a) in Part 8 of Volume 13 of the *Bulletin of Zoological Nomenclature* (the Part in which Dr. Haas's application was published) and (b) to the other prescribed serial publications. In addition, such Notice was given also to four general zoological serial publications and to one specialist serial.

**5. No Objection Received :** No objection to the action proposed to be taken in the present case was received from any source.

## III. THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

**6. Issue of Voting Paper V.P.(58)4 :** On 17th March 1958 a Voting Paper (V.P.(58)4) was issued in which the Members of the Commission were invited to vote either for, or against, "the proposal relating to the generic name

*Anodonta* Lamarck, 1799 (Class Pelecypoda), as set out in Points (1) to (4) in paragraph 8 on page 247 in Volume 13 of the *Bulletin of Zoological Nomenclature* [i.e. in the Points numbered as above in paragraph 8 of the paper reproduced in the first paragraph of the present *Opinion*].

**7. The Prescribed Voting Period :** As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 17th June 1958.

**8. Particulars of the Voting on Voting Paper V.P.(58)4 :** At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(58)4 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-two (22) Commissioners (arranged in the order in which Votes were received) :*

Holthuis ; Lemche ; Hering ; Mayr ; Vokes ; Prantl ; Key ; Dymond ; Riley ; Bonnet ; Bodenheimer ; Boschma ; Mertens ; do Amaral ; Sylvester-Bradley ; Cabrera ; Bradley (J.C.) ; Stoll ; Hemming ; Kühnelt ; Tortonese ; Jaczewski ;

(b) *Negative Votes :*

None ;

(c) *On Leave of Absence, one (1) :*

Miller ;

(d) *Voting Papers not returned, one (1) :*

Hankó.

**9. Declaration of Result of Vote :** On 18th June 1958, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(58)4, signed a Certificate that the Votes cast were as set out in paragraph 8 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

**10. Preparation of the Ruling given in the present " Opinion " :** On 22nd June 1958, Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(58)4.

**11. Original References for Generic Names :** The following are the original references for the generic names placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* by the Ruling given in the present *Opinion* :—

*Anodon* Oken, 1815, *Lehrbuch Naturgesch.* 3(1) : 326

*Anodonte* Fischer de Waldheim, 1823, *Mém. Soc. imp. Nat. Moscou* 6 : 230

*Anodontes* Cuvier (G.L.C.F.D.), 1817, *Règne Anim.* 2 : 472

*Glochidium* Rathke, 1797, *Skrift. Naturhist.-Selskaber* 4(1) : 166

**12. Family-Group-Name Aspects :** In accordance with a decision taken shortly after the close of the Fourteenth International Congress of Zoology, Copenhagen, 1953, the initial stage of the review of the entries made on the *Official List of Generic Names in Zoology* in the period up to the end of 1936 was confined to an examination of problems arising in connection with the

generic names themselves or with the names of the type species of the genera concerned, it being judged more convenient to postpone for a short time the examination of the more comprehensive problems involved at the family-group-name level. Under this procedure any family-group-name problems arising in connection with the present case will be placed before the Commission in the Report to be prepared in due course on the family-group-name problems arising in connection with the names of genera belonging to the Phylum Mollusca placed on the *Official List* in the period referred to above.

**13. Compliance with Prescribed Procedures :** The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

**14. "Opinion" Number :** The present *Opinion* shall be known as *Opinion* Five Hundred and Sixty-One (561) of the International Commission on Zoological Nomenclature.

DONE in London, this Twenty-Second day of June, Nineteen Hundred and Fifty-Eight.

*Secretary to the International Commission  
on Zoological Nomenclature*

**FRANCIS HEMMING**